SEQUENCE LISTING

<110> Hovanessian, Ara
     Callebaut, Christian
     Krust, Bernard
     Jacotot, Etienne
     Muller, Sylviane
     Briand, Jean-Paul
     Guichard, Giles

<120> A NOVEL CELL SURFACE RECEPTOR FOR HIV RETROVIRUSES,
     THERAPEUTIC AND DIAGNOSTIC USES.

<130> 03495.0166-01000

<140> 09/393,302
<141> 1999-09-10

<150> PCT/EP98/01409
<151> 1998-03-12

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<170> PatentIn Ver. 2.1

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Pro Gln Lys Lys Gly Lys Lys Ala Ala Ala Thr Ser Ala Lys Lys Val
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Val Val Ser Pro Thr Lys Lys Val Ala Val Ala Thr Pro Ala Lys Lys
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Ala Ala Val Thr Pro Gly Lys Lys Ala Ala Ala Thr Pro Ala Lys Lys
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Thr Val Thr Pro Ala Lys Ala Val Thr Thr Pro Gly Lys Lys Gly Ala
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6

Thr Pro Gly Lys Ala Leu Val Ala Thr Pro Gly Lys Lys Gly Ala Ala
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Ile Pro Ala Lys Gly Ala Lys Asn Gly Lys Asn Ala Lys Lys Glu Asp
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Val Lys Glu Ala Pro Gly Lys Arg Lys Lys Glu Met Ala Lys Gln Lys
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Ala Val Val Asp Val Arg Ile Gly Met Thr Arg Lys Phe Gly Tyr Val
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Asp Phe Glu Ser Ala Glu Asp Leu Glu Lys Ala Leu Glu Leu Thr Gly
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Leu Lys Val Phe Gly Asn Glu Ile Lys Leu Glu Lys Pro Lys Gly Lys
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Asp Ser Lys Lys Glu Arg Asp Ala Arg Thr Leu Leu Ala Lys Asn Leu
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Pro Tyr Lys Val Thr Gln Asp Glu Leu Lys Glu Val Phe Glu Asp Ala
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Ala Glu Ile Arg Leu Val Ser Lys Asp Gly Lys Ser Lys Gly Ile Ala
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Tyr Ile Glu Phe Lys Thr Glu Ala Asp Ala Glu Lys Thr Phe Glu Glu
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Lys Gln Gly Thr Glu Ile Asp Gly Arg Ser Ile Ser Leu Tyr Tyr Thr
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Trp Ser Gly Glu Ser Lys Thr Leu Val Leu Ser Asn Leu Ser Tyr Ser
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Ala Thr Glu Glu Thr Leu Gln Glu Val Phe Glu Lys Ala Thr Phe Ile
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<210> 24
<211> 249
<212> PRT
<213> Homo sapiens

<400> 24

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Ser Asp Val Lys Glu Leu Val Leu Asp Asn Ser Arg Ser Asn Glu Gly
               20                  25                  30

Lys Leu Glu Gly Leu Thr Asp Glu Phe Glu Glu Leu Glu Phe Leu Ser
           35                  40                  45

Thr Ile Asn Val Gly Leu Thr Ser Ile Ala Asn Leu Pro Lys Leu Asn
       50                  55                  60

Lys Leu Lys Lys Leu Glu Leu Ser Asp Asn Arg Val Ser Gly Gly Leu
 65                  70                  75                  80

Glu Val Leu Ala Glu Lys Cys Pro Asn Leu Thr His Leu Asn Leu Ser
               85                  90                  95

Gly Asn Lys Ile Lys Asp Leu Ser Thr Ile Glu Pro Leu Lys Lys Leu
              100                 105                 110

Glu Asn Leu Lys Ser Leu Asp Leu Phe Asn Cys Glu Val Thr Asn Leu
          115                 120                 125

Asn Asp Tyr Arg Glu Asn Val Phe Lys Leu Leu Pro Gln Leu Thr Tyr
      130                 135                 140

Leu Asp Gly Tyr Asp Arg Asp Asp Lys Glu Ala Pro Asp Ser Asp Ala
145                 150                 155                 160

Glu Gly Tyr Val Glu Gly Leu Asp Asp Glu Glu Glu Asp Glu Asp Glu
              165                 170                 175

Glu Glu Tyr Asp Glu Asp Ala Gln Val Val Glu Asp Glu Glu Asp Glu
          180                 185                 190
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Asp Glu Glu Glu Glu Gly Glu Glu Glu Asp Val Ser Gly Glu Glu Glu
    195   200   205

Glu Asp Glu Glu Gly Tyr Asn Asp Gly Glu Val Asp Asp Glu Glu Asp
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Glu Glu Glu Leu Gly Glu Glu Glu Arg Gly Gln Lys Arg Lys Arg Glu
225   230   235   240

Pro Glu Asp Glu Gly Glu Asp Asp Asp
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<211> 916
<212> DNA
<213> Homo sapiens

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tacccatatc ccctct 916

<210> 26
<211> 277
<212> PRT
<213> Homo sapiens

<400> 26
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  1   5   10   15

His Asp Gly Ala Asp Glu Thr Ser Glu Lys Glu Gln Gln Glu Ala Ile
       20   25   30

Glu His Ile Asp Glu Val Gln Asn Glu Ile Asp Arg Leu Asn Glu Gln
      35   40   45

Ala Ser Glu Glu Ile Leu Lys Val Glu Gln Lys Tyr Asn Lys Leu Arg
    50   55   60

Gln Pro Phe Phe Gln Lys Arg Ser Glu Leu Ile Ala Lys Ile Pro Asn
65   70   75   80

```
Phe Trp Val Thr Thr Phe Val Asn His Pro Gln Val Ser Ala Leu Leu
                85                      90                  95

Gly Glu Glu Asp Glu Glu Ala Leu His Tyr Leu Thr Arg Val Glu Val
            100             105                 110

Thr Glu Phe Glu Asp Ile Lys Ser Gly Tyr Arg Ile Asp Phe Tyr Phe
        115             120                 125

Asp Glu Asn Pro Tyr Phe Glu Asn Lys Val Leu Ser Lys Glu Phe His
    130             135                 140

Leu Asn Glu Ser Gly Asp Pro Ser Ser Lys Ser Thr Glu Ile Lys Trp
145             150                 155                 160

Lys Ser Gly Lys Asp Leu Thr Lys Arg Ser Ser Gln Thr Gln Asn Lys
            165                 170                 175

Ala Ser Arg Lys Arg Gln His Glu Glu Pro Glu Ser Phe Phe Thr Trp
            180                 185                 190

Phe Thr Asp His Ser Asp Ala Gly Ala Asp Glu Leu Gly Glu Val Ile
        195             200                 205

Lys Asp Asp Ile Trp Pro Asn Pro Leu Gln Tyr Tyr Leu Val Pro Asp
    210             215                 220

Met Asp Asp Glu Glu Gly Glu Gly Glu Glu Asp Asp Asp Asp Asp Glu
225             230                 235                 240

Glu Glu Glu Gly Leu Glu Asp Ile Asp Glu Glu Gly Asp Glu Asp Glu
            245                 250                 255

Gly Glu Glu Asp Glu Asp Asp Asp Glu Gly Glu Glu Gly Glu Glu Asp
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Glu Gly Glu Asp Asp
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<210> 27
<211> 924
<212> DNA
<213> Homo sapiens

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aataaagcca gcaggaagag gcagcatgag gaaccagaga gcttctttac ctggtttact  600
gaccattctg atgcaggtgc tgatgagtta ggagaggtca tcaaagatga tatttggcca  660
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<210> 28
<211> 2518
<212> DNA
<213> Homo sapiens

<400> 28

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<210> 29
<211> 7
<212> PRT
<213> Human immunodeficiency virus

<400> 29
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<210> 30
<211> 9
<212> PRT
<213> Human immunodeficiency virus

<400> 30
Gly Pro Gly Arg Ala Phe Val Thr Ile
 1   5

<210> 31
<211> 16
<212> PRT
<213> Homo sapiens

<400> 31
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 1   5   10   15

<210> 32
<211> 15
<212> PRT
<213> Homo sapiens

<400> 32
Val Lys Leu Ala Lys Ala Gly Lys Asn Gln Gly Asp Pro Lys Lys
 1   5   10   15